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US 20060142704 A1	20060629	Multifilar cable catheter	604/264	606/192; 623/1.11	Lentz; David Christian
US 20060111703 A1	20060525	Atrial ablation catheter and method of use	606/41		Kunis; Christopher G. et al.
US 20060111702 A1	20060525	Atrial ablation catheter adapted for treatment of septal wall arrhythmogenic foci and method of use	606/41		Oral; Hakan et al.
US 20060111701 A1	20060525	Atrial ablation catheter adapted for treatment of septal wall arrhythmogenic foci and method of use	606/41		Oral; Hakan et al.
US 20060111700 A1	20060525	Atrial ablation catheter and method of use	606/41		Kunis; Christopher G. et al.
US 20060089637 A1	20060427	Ablation catheter	606/41		Werneth; Randell L. et al.
US 20060084939 A1	20060420	Articulation segment for a catheter	604/526	264/138	Lentz; David J.
US 20050288657 A1	20051229	Pressure monitor for cryoablation catheter	606/21	606/23	Lentz, David J. et al.
US 20050288656 A1	20051229	System for bi-directionally controlling the cryo-tip of a cryoablation catheter	606/21	604/95.04	Koerner, Richard J. et al.
US 20050288626 A1	20051229	Active system for deflecting a distal portion of a catheter into a hoop configuration	604/95.04		Koerner, Richard J. et al.
US 20050283179 A1	20051222	Introducer sheath	606/192	264/145; 607/117	Lentz, David J.
US 20050283146 A1	20051222	Thermally extended spiral cryotip for a cryoablation catheter	606/21	606/23	Lentz, David J.
US 20050198972	20050915	Pressure-temperature control for a	62/50.2	62/467	Lentz, David J. et al.

A1		cryoablation catheter system			
US 20050192530 A1	20050901	Method and apparatus for needle-less injection with a degassed fluid	604/70		Castellano, Thomas P.
US 20050177132 A1	20050811	Catheter articulation segment with alternating cuts	604/525		Lentz, David J. et al.
US 20050177131 A1	20050811	Catheter articulation segment with alternating cuts	604/525	264/154	Lentz, David J. et al.
US 20050070876 A1	20050331	Method and apparatus for administering a vaccine or other pharmaceutical	604/506	604/173; 604/46	Castellano, Thomas P.
US 20050027334 A1	20050203	Articulating catheter for cryoablation with reduced diameter section	607/96		Lentz, David J. et al.
US 20050027289 A1	20050203	Cryoablation systems and methods	606/21	606/22	Castellano, Thomas et al.
US 20050027253 A1	20050203	Sheath with air trap	604/122		Castellano, Thomas et al.
US 20050016188 A1	20050127	Distal end for cryoablation catheters	62/51.2	62/119; 62/86	Lentz, David J. et al.
US 20040243118 A1	20041202	Device and method for positioning a catheter tip for creating a cryogenic lesion	606/21	600/374	Ayers, Gregory M. et al.
US 20040243117 A1	20041202	Catheter system for performing a single step cryoablation	606/21		Lentz, David J.
US 20040220558 A1	20041104	Device and method for the creation of a circumferential cryogenic lesion in a pulmonary vein	606/21		Reu, Eugene Brian et al.
US 20040199153 A1	20041007	Mechanically extended spiral cryotip for a cryoablation catheter	606/21	606/23	Lentz, David J.
US 20040193242	20040930	Self-sealing PTFE vascular graft and	623/1.4	623/1.44	Lentz, David et al.

A1		manufacturing methods			
US 20040116917 A1	20040617	System and method for performing a single step cryoablation	606/21		Lentz, David J.
US 20040116916 A1	20040617	Coaxial catheter system for performing a single step cryoablation	606/21	606/23	Lentz, David J.
US 20040116915 A1	20040617	Guidance system for a cryocatheter	606/21	606/108	Lentz, David J.
US 20040102758 A1	20040527	Medical devices, drug coatings and methods for maintaining the drug coatings thereon	604/500		Davila, Luis A. et al.
US 20040035491 A1	20040226	Method and apparatus for needle-less injection with a degassed fluid	141/27		Castellano, Thomas P.
US 20040034365 A1	20040219	Catheter having articulation system	606/108		Lentz, David J. et al.
US 20040034345 A1	20040219	Heat transfer segment for a cryoablation catheter	606/21		Lentz, David J.
US 20040024413 A1	20040205	Wire reinforced articulation segment	606/108		Lentz, David J. et al.
US 20030220634 A1	20031127	Refrigeration source for a cryoablation catheter	606/21	606/23	Ryba, Eric L. et al.
US 20030195501 A1	20031016	RF ablation system and method having automatic temperature control	606/34	606/41	Sherman, Marshall L. et al.
US 20030083612 A1	20030501	Apparatus for needle-less injection with a degassed fluid	604/70		Castellano, Thomas P.
US 20030078535 A1	20030424	Engine and diffuser for use with a needle-less injector	604/70		Castellano, Thomas P.
US 20030039458 A1	20030227	ELECTROPLATING ASSEMBLY FOR METAL PLATED OPTICAL FIBERS	385/128	205/80	Miller, Michael N. et al.

US 20030004559 A1	20030102	PTFE vascular graft and method of manufacture	623/1.4	623/1.44; 623/1.49	Lentz, David et al.
US 20020183730 A1	20021205	Device and method for the creation of a circumferential Cryogenic lesion in a pulmonary vein	606/21		Reu, Eugene Brian et al.
US 20020165608 A1	20021107	Local drug delivery devices and methods for maintaining the drug coatings thereon	623/1.45	604/265	Llanos, Gerard H. et al.
US 20020161361 A1	20021031	RF ablation system and method having automatic temperature control	606/34	606/41	Sherman, Marshall L. et al.
US 20020161334 A1	20021031	Method and apparatus for filling or refilling a needle-less injector	604/187	604/68; 604/905	Castellano, Thomas P. et al.
US 20020151841 A1	20021017	Gas-pressured engine with valve	604/68		Castellano, Thomas P.
US 20020151840 A1	20021017	Modular gas-pressured needle-less injector	604/68	604/131	Castellano, Thomas P.
US 20020133183 A1	20020919	Coated medical devices	606/155	604/265; 604/507; 623/1.42	Lentz, David Christian et al.
US 20020129705 A1	20020919	System and method for removing dissolved gas from a solution	95/248	95/260; 95/266; 96/193; 96/194	Castellano, Thomas P. et al.
US 20020111590 A1	20020815	Medical devices, drug coatings and methods for maintaining the drug coatings thereon	604/265	623/1.15; 623/1.42	Davila, Luis A. et al.
US 20020099329 A1	20020725	Gas power sources for needle-less injector and needle-less injectors incorporating the same	604/70	604/232; 604/72	Castellano, Thomas P.
US 20020056486 A1	20020516	Apparatus and method for delivering a lyophilized active with a needle-less injector	141/9		Castellano, Thomas P.
US	20020404	ePTFE graft-stent	623/1.13		Lentz, David J.

20020040237 A1		composite device			et al.
US 20020026237 A1	20020228	Radially self-expanding implantable intraluminal device	623/1.53	623/1.18	Schmitt, Peter J. et al.
US 20020022834 A1	20020221	RF ablation catheter tip electrode with multiple thermal sensors	606/32		Simpson, John A. et al.
US 20010044655 A1	20011122	ePTFE small caliber vascular grafts with significant patency enhancement via a surface coating which contains covalently bonded heparin	623/1.43	427/2.25; 623/11.11	Patnaik, Birendra K. et al.
US 20010018935 A1	20010906	APPARATUS AND METHOD FOR FILLING AN AMPULE OF A NEEDLE- LESS INJECTOR	141/9		CASTELLANO, THOMAS P
US 7056550 B2	20060606	Medical devices, drug coatings and methods for maintaining the drug coatings thereon	427/2.24	427/407.1	Davila; Luis A. et al.
US 7044961 B2	20060516	ePTFE graft-stent composite device	623/1.13	623/1.17	Lentz; David J. et al.
US 7004937 B2	20060228	Wire reinforced articulation segment	606/22	604/95.04	Lentz; David J. et al.
US 7004936 B2	20060228	Refrigeration source for a cryoablation catheter	606/20	606/22; 606/24	Ryba; Eric et al.
US 6981382 B2	20060103	Distal end for cryoablation catheters	62/119	606/22; 606/23; 606/25	Lentz; David J. et al.
US 6955673 B2	20051018	Heat transfer segment for a cryoablation catheter	606/21		Lentz; David J.
US 6926711 B2	20050809	Articulating catheter for cryoablation with reduced diameter section	606/21	604/95.04	Lentz; David J. et al.
US 6905493 B2	20050614	Mechanically extended spiral cryotip for a cryoablation catheter	606/21	606/23	Lentz; David J.

US 6893433 B2	20050517	System and method for performing a single step cryoablation	606/23	600/113; 606/20	Lentz; David J.
US 6824543 B2	20041130	Guidance system for a cryocatheter	606/21	600/585; 604/533; 604/95.04	Lentz; David J.
US 6824526 B2	20041130	Engine and diffuser for use with a needle-less injector	604/68		Castellano; Thomas P
US 6803069 B2	20041012	Method for imparting a bio-active coating	427/2.24	427/2.1; 427/2.25; 427/2.26; 427/2.27; 427/2.28; 427/2.3; 427/2.31; 427/299; 427/402; 427/407.1; 427/532; 427/533; 427/535; 427/536	Patnaik; Birendra K. et al.
US 6796979 B2	20040928	Coaxial catheter system for performing a single step cryoablation	606/21	606/23	Lentz; David J.
US 6755822 B2	20040629	Device and method for the creation of a circumferential cryogenic lesion in a pulmonary vein	606/21	606/41; 607/122	Reu; Eugene Brian et al.
US 6755220 B2	20040629	Method and apparatus for filling or refilling a needle-less injector	141/27	141/25; 141/383; 604/68	Castellano; Thomas P. et al.
US 6719783 B2	20040413	PTFE vascular graft and method of manufacture	623/1.4	623/1.49	Lentz; David et al.
US 6673034 B2	20040106	Gas power sources for a needle-less injector and needle-less injectors incorporating the same	604/68	604/131; 604/141	Castellano; Thomas P.
US D483116 S	20031202	Needle-less injector	D24/114	D24/112	Castellano; Thomas P
US 6616657	20030909	RF ablation catheter	606/41	607/102	Simpson; John

B2		tip electrode with multiple thermal sensors			A. et al.
US 6613011 B2	20030902	Gas-pressured engine with valve	604/68	251/149.1; 251/149.6; 604/69; 604/71	Castellano; Thomas P
US 6613010 B2	20030902	Modular gas-pressured needle-less injector	604/68	128/200.16; 604/140; 604/147; 604/191; 604/223; 604/70; 604/73	Castellano; Thomas P.
US 6572743 B2	20030603	Electroplating assembly for metal plated optical fibers	204/297.06	204/232; 204/242; 204/297.01; 204/297.1; 204/297.14	Miller; Michael N. et al.
US 6558378 B2	20030506	RF ablation system and method having automatic temperature control	606/34	606/41; 606/42; 606/50; 607/102; 607/122	Sherman; Marshall L. et al.
US 6530765 B1	20030311	Apparatus for manufacturing expanded polytetrafluoroethylene products	425/144	425/378.1; 425/381; 425/467	Zdrahalo; Richard J. et al.
US 6500239 B2	20021231	System and method for removing dissolved gas from a solution	95/247	141/18; 141/69; 206/528; 210/188; 222/190; 604/187; 604/68; 95/248; 95/250; 95/266	Castellano; Thomas P. et al.
US 6488705 B2	20021203	Radially self-expanding implantable intraluminal device	623/1.18		Schmitt; Peter J. et al.
US 6474369 B2	20021105	Apparatus and method for delivering a lyophilized active with a needle-less injector	141/9	141/2; 141/27; 141/319; 141/321;	Castellano; Thomas P

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US 6447475 B1	20020910	Gas power sources for a needle-less injector and needle-less injectors incorporating the same	604/68		Castellano; Thomas P.
US 6428571 B1	20020806	Self-sealing PTFE vascular graft and manufacturing methods	623/1.4		Lentz; David et al.
US 6391024 B1	20020521	RF ablation apparatus and method having electrode/tissue contact assessment scheme and electrocardiogram filtering	606/34	606/39; 606/40; 606/41; 606/42; 606/46; 606/49; 607/113; 607/115	Sun; Weimin et al.
US 6312425 B1	20011106	RF ablation catheter tip electrode with multiple thermal sensors	606/32	600/549; 606/41; 607/101	Simpson; John A. et al.
US 6309343 B1	20011030	Method for making an ePTFE graft-stent composite device	600/36	623/1.13; 623/901; 623/909	Lentz; David J. et al.
US 6306165 B1	20011023	ePTFE small caliber vascular grafts with significant patency enhancement via a surface coating which contains covalently bonded heparin	623/1.43	427/2.25; 623/6.57	Patnaik; Birendra K. et al.
US 6302160 B1	20011016	Apparatus and method for filling an ampule of a needle-less injector	141/9	141/100; 141/18; 141/27; 141/351; 141/357; 141/363; 141/383; 141/384; 604/416; 604/82	Castellano; Thomas P.
US 6299636 B1	20011009	Radially self-expanding implantable intraluminal device	623/1.2	600/36; 623/1.22; 623/1.36;	Schmitt; Peter J. et al.

				623/1.53	
US 6223786 B1	20010501	Apparatus and method for mixing medication and filling an ampule of a needle-less injector	141/2	141/100; 141/18; 141/27; 141/312; 141/319; 141/357; 141/383; 141/384; 141/9; 604/416; 604/68; 604/82	Castellano; Thomas P.
US 6183505 B1	20010206	Method of stent retention to a delivery catheter balloon-braided retainers	623/1.11		Mohn, Jr.; Michael A. et al.
US 6162247 A	20001219	Vascular graft impregnated with a heparin-containing collagen sealant	623/1.47	424/422; 424/423; 530/356; 623/1.43; 623/921	Wedock; Kevin et al.
US 6156008 A	20001205	Device for avoiding subdermal hematomas from an injection	604/116	604/68	Castellano; Thomas P.
US 6106510 A	20000822	Extruded guide catheter shaft with bump extrusion soft distal segment	604/525	600/433; 604/264; 604/523; 604/524; 604/526; 604/532	Lunn; Peter A. et al.
US 6080198 A	20000627	Method for forming a yarn wrapped PTFE tubular prosthesis	128/898	600/36; 623/1.32; 623/1.49; 623/901	Lentz; David J. et al.
US 6080130 A	20000627	Gas power source for a needle-less injector	604/68	604/70	Castellano; Thomas P.
US 6063053 A	20000516	Gas pressured needle-less injection device and method	604/68	604/131; 604/141	Castellano; Thomas P. et al.
US 6036724 A	20000314	PTFE vascular graft and method of manufacture	623/1.1	623/901	Lentz; David J. et al.
US 6022341 A	20000208	Catheter with multiple internal diameters	604/523	604/264	Lentz; David J.
US 6001125	19991214	PTFE vascular	623/23.7	623/1.13;	Golds; Ellen et

A		prosthesis and method of manufacture		623/1.16; 623/1.4	al.
US 5961545 A	19991005	EPTFE graft-stent composite device	623/1.39	606/191; 606/194; 606/198; 623/1.44	Lentz; David J. et al.
US 5925021 A	19990720	Medication delivery device with a microprocessor and characteristic monitor	604/207	600/309; 600/322	Castellano; Thomas P. et al.
US 5891092 A	19990406	Disposable safety syringe and method of making the same	604/110	604/198; 604/263	Castellano; Thomas P.
US 5874032 A	19990223	Method for manufacturing expanded polytetrafluoroethylene products	264/127	264/209.2; 264/209.8; 264/312; 264/323; 425/144; 425/378.1; 425/381; 425/467	Zdrahala; Richard J. et al.
US 5851230 A	19981222	Vascular graft with a heparin-containing collagen sealant	623/1.47	424/422; 424/423; 623/1.5; 623/1.53	Wedock; Kevin et al.
US 5851229 A	19981222	Bioresorbable sealants for porous vascular grafts	623/23.72	623/23.64; 623/8	Lentz; David J. et al.
US 5851198 A	19981222	Gas pressured needle-less injection device and method	604/68	604/70	Castellano; Thomas P. et al.
US 5843166 A	19981201	Composite graft-stent having pockets for accomodating movement	623/1.13		Lentz; David J. et al.
US 5824034 A	19981020	Method for repositioning a radially self-expanding implantable intraluminal device	606/195	623/903	Schmitt; Peter J. et al.
US 5820602 A	19981013	Pen-type injector drive mechanism	604/187	604/156	Kovelman; Paul H. et al.
US 5800512 A	19980901	PTFE vascular graft	623/1.1	623/1.49	Lentz; David J. et al.
US 5735280 A	19980407	Ultrasound energy delivery system and	600/1	601/2; 601/3;	Sherman; Marshall L. et

		method		607/96	al.
US 5730723 A	19980324	Gas pressured needle-less injection device and method	604/68	604/143; 604/70	Castellano; Thomas P. et al.
US 5728074 A	19980317	Pen-type injector with a microprocessor and blood characteristic monitor	604/207	600/309; 604/209; 604/211	Castellano; Thomas P. et al.
US 5716660 A	19980210	Tubular polytetrafluoroethylene implantable prostheses	427/2.25	427/2.24; 427/338; 427/414	Wedock; Kevin et al.
US 5665114 A	19970909	Tubular expanded polytetrafluoroethylene implantable prostheses	623/1.34		Wedock; Kevin et al.
US 5607478 A	19970304	Yarn wrapped PTFE tubular prosthesis	623/23.69	623/1.22	Lentz; David J. et al.
US 5606974 A	19970304	Catheter having ultrasonic device	600/462	600/438	Castellano; Thomas M. et al.
US 5596995 A	19970128	Biomedical device having a temperature sensing system	600/549		Sherman; Marshall L. et al.
US 5593390 A	19970114	Medication delivery device with a microprocessor and characteristic monitor	604/187	128/DIG.1; 604/156; 604/207; 604/232	Castellano; Thomas P. et al.
US 5562725 A	19961008	Radially self-expanding implantable intraluminal device	623/1.53	600/36; 623/1.19; 623/1.34; 623/1.39	Schmitt; Peter J. et al.
US 5536249 A	19960716	Pen-type injector with a microprocessor and blood characteristic monitor	604/65	128/DIG.1	Castellano; Thomas P. et al.
US 5522881 A	19960604	Implantable tubular prosthesis having integral cuffs	623/1.13	606/191; 623/1.29	Lentz; David J.
US 5505887 A	19960409	Extrusion process for manufacturing PTFE products	264/127	264/209.2; 264/209.8; 264/312; 264/323; 425/144; 425/378.1; 425/381; 425/467	Zdrahalo; Richard J. et al.
US 5095054 A	19920310	Polymer compositions containing	524/47	264/328.14; 424/451;	Lay; Gustav et al.

		destructurized starch		524/52; 524/53	
US 5009291 A	19910423	Brake piston assembly	188/71.6	188/264CC; 188/72.4	Castellano; Thomas P.
US 4857050 A	19890815	Ratiometric air-in-line detector	604/67	128/DIG.13; 250/577; 604/122	Lentz; David et al.
US 4850980 A	19890725	I.V. pump cassette	604/248	137/625.17; 604/249	Lentz; David et al.
US 4773902 A	19880927	Oxidized cellulose as a medical lubricant	604/265	2/116; 264/131; 604/292	Lentz; David J. et al.
US 4668224 A	19870526	Oxidized cellulose as a medical lubricant	604/265	2/161.7; 2/168; 604/292	Lentz; David J. et al.
US 4654031 A	19870331	Flash chamber	604/168.01	600/576; 604/256; 604/272	Lentz; David J.
US 4650473 A	19870317	Suturing saddle	604/174	128/DIG.26; 604/177	Bartholomew; Victor L. et al.
US 4588398 A	19860513	Catheter tip configuration	604/265	604/164.01; 604/264	Daugherty; Charles W. et al.
US 4553468 A	19851119	Repeating firearm trigger mechanism	89/140	89/149	Castellano; Thomas P. et al.
US 4421009 A	19831220	Repeating firearm	89/140	89/149	Castellano; Thomas P. et al.
US 4417588 A	19831129	Apparatus and method for initiating cardiac output computations	600/526		Houghton; Richard B. et al.
US 4407298 A	19831004	Connector for thermodilution catheter	600/526	600/504	Lentz; David J. et al.
US 4402697 A	19830906	Method for inhibiting mineralization of natural tissue during implantation	8/94.11	600/36; 623/915; 623/916	Pollock; Elisabeth M. et al.
US 4323358 A	19820406	Method for inhibiting mineralization of natural tissue during implantation	8/94.11	600/36; 623/916	Lentz; David J. et al.
US 4222240 A	19800916	Turbocharged engine	60/611		Castellano; Thomas P.
US 3433482 A	19690318	CHESS GAME APPARATUS WITH CHANGEABLE BOARD [TEXT AVAILABLE IN	273/261	273/283; 273/284; D21/348	CASTELLANO THOMAS A

		USOCR DATABASE]			
US 2669876 A	19540223	Tire pressure indicating and recording device [TEXT AVAILABLE IN USOCR DATABASE]	73/146.5	338/178; 338/37; 338/41; 340/442; 73/746	LENTZ DAVID M
US 2656448 A	19531020	Heated wiper mechanism [TEXT AVAILABLE IN USOCR DATABASE]	15/250.06		LENTZ DAVID M
US 1817632 A	19310804	Portable factory [TEXT AVAILABLE IN USOCR DATABASE]	104/2	29/33P	LENTZ DAVID H